UTILITY PATENT APPLICATION TRANSMITTAL

NOVT 100 Attorney Docket No. Carsten Sjoeholm First Inventor USE OF ACID-STABLE SUBTILISIN PROTEASES IN ANIMAL FEED

	250 (50(1))	Express Mail Label No.	EL 709 418 884 US
APPLICA	TION ELEMENTS	ADDRESS TO:	Assistant Commissioner for Patents Box Patent Application Washington DC 20231
Fee Transmittal Final Applicant claims in See 37 CFR 1.27 Specification (preferred arrangement) - Descriptive title - Cross Reference - Statement Reg - Reference to so or a computer - Background of - Brief Summary - Brief Description - Detailed Description - Detailed Description - Claim(s) - Abstract of the state	[Total Pages 54] In of the invention In of the Drawings (if filed) In of the Drawings (if filed) In of the Invention In of the Drawings (if filed) In of the Invention In of the Drawings (if filed) In of the Invention In of the Drawings (if filed) In of the Invention In of the Drawings (if filed) In of the Invention In the prior application (37 CFR 1.63 (d)) It is the prior application see 37 CFR It is a Sheet. See 37 CFR 1.76 It ICATION. Check appropriate box. and	7 CD-ROM or CD-Computer Program 8 Nucleotide and/or Amir (if applicable, all necess a. Computer Read b. Specification Seques i. CD-ROM of CD-ROM	R in duplicate, large table or ram (Appendix) no Acid Sequence Submission issary) adable Form (CRF) ence Listing on: or CD-R (2 copies): or erifying identity of above copies in the compact of the copies is an assignee) slation Document (if applicable) is closure in the copies of IDS in the copies of ID
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Name	Patrea L. Pabst Arnall Golden & Gregory, L 2800 One Atlantic Center	LP	
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Address	1201 West Peachtree Stre	State GA	Zip Code 30309-3450

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Approved for use through 10:31:2002 OMB 0651-0032
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT

(\$)	950	.00
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Complete if Known		
Application Number		
Filing Date	February 8, 2001	
First Named Inventor	Carsten Sjoeholm	
Examiner Name		
Group Art Unit		
Attorney Docket No	NOVT 100	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)		
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to	3. ADDITIONAL FEES Large Entity Small Entity		
Deposit Account Number	Fee Fee Fee Fee Fee Code (\$) Code (\$)	d	
Deposit	105 130 205 65 Surcharge - late filing fee or oath		
Account Name Arnall Golden & Gregory, LLP	127 50 227 25 Surcharge - late provisional filing fee or cover sheet	4	
Charge Any Additional Fee Required Under 37 CFR 1:16 and 1:17	139 130 :39 130 Non-English specification	_	
Applicant claims small entity status	147 2 520 147 2 520 For filing a request for ex parte reexamination	4	
See 3: CFR 1.2" 2. X Payment Enclosed:	112 920* 12 920* Fequesting publication of SIR prior to Examiner action	į	
Check Credit card Order Other	113 1,8401 113 1,8401 Pequesting publication of SIR after Examiner action		
FEE CALCULATION	115 110 2·5 55 Extension for reply within first month	╛	
1. BASIC FILING FEE	116 390 216 195 Extension for reply within second month		
Large Entity Small Entity	117 890 217 445 Extension for reply within third month	_	
Fee Fee Fee Fee Description	118 1 390 218 695 Extension for reply within fourth month	_	
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101 /10 201 355 Utility filing fee 710,00	119 310 219 155 Notice of Appeal	_	
107 490 207 245 Plant filing fee	120 310 220 155 Fring a brief in support of an appeal	4	
108 710 208 355 Reissue filing fee	121 270 221 135 Fequest for oral hearing	-	
114 150 214 75 Provisional filing fee	138 1 510 · 38 1 510 Fetition to institute a public use proceeding	4	
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SUBTOTAL (1) (\$) 710.00	141 1.240 241 620 Fetition to revive - unintentional		
2. EXTRA CLAIM FEES	142 1.240 242 620 Utility issue fee (or reissue)		
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Total Claims 13 - 20 = 0 = 0	144 - 600 - 244 - 300 - Flant issue fee		
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SUBTOTAL (2) (\$) 240 00	SUBTOTAL (3) (\$)		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carsten Sjoeholm, Peter Rahbek Oestergaard, and Anna-Marie Kluenter

Serial No.: Express Mail Label No.: EL 709 418 884 US

Filed: February 8, 2001 Date of Deposit February 8, 2001

For: USE OF ACID-STABLE SUBTILISIN PROTEASES IN ANIMAL FEED

BOX PATENT APPLICATION Assistant Commissioner for Patents Washington, D.C. 2023l

EXPRESS MAIL TRANSMITTAL LETTER FOR PATENT APPLICATION AND CERTIFICATE OF MAILING

Sir:

Pursuant to 35 U.S.C. § 21(a) as amended by Public Law 97-247 and 37 C.F.R. § 1.10, applicants enclose for filing the attached patent application entitled "Use of Acid-Stable Subtilisin Proteases in Animal Feed", which claims priority to U.S.S.N. 60 183,133 filed February 17, 2000, which claims priority to foreign application No. 2000 00200 filed in Denmark on February 8, 2000. The application includes 1 page of Abstract, 51 pages of specification, 2 pages of claims, 3 sheets of informal drawings, a 3-1-2 inch sequence listing diskette, a paper copy of the sequence listing, an unexecuted Declaration for Patent Application, and an unexecuted Power of Attorney or Authorization of Agent. An executed Declaration for Patent Application. Power of Attorney or Authorization of Agent, and Assignment to

 $\operatorname{Fitte} = I(s, \ ot \ \operatorname{Acid} \ \operatorname{Stable} \ \operatorname{Subtilisin} \ \operatorname{Prot, ases} \ in \ \operatorname{Animal} \ F_{s,s,d}$

Filed Tebruary 8 2001

Express Mail Transmittal Letter for Patent Application and Certificate of Mailing

Express Mail Label No. 11 200418 8841 8 Date of Deposit Tebruary 8, 2001

A Preliminary Amendment is enclosed.

This application contains nucleic acid and or protein sequences as defined in 37 C.F.R. §§ 1.821-1.825. Pursuant to 37 C.F.R. §§ 1.821-1.825, applicants enclose a 3½" diskette containing a computer-readable form of the Sequence Listing for the above-identified application. A paper copy of the Sequence Listing is incorporated into the application.

Listing present in the above-identified application, and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

A check in the amount of \$950.00 to cover the filing fee is enclosed. It is believed that \$950.00 is the proper filing fee for a large entity, as the application includes 6 independent claims and a total of 13 claims after entry of the enclosed Preliminary Amendment.

The Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment to Deposit Order Account No. 01-2507. To facilitate this process, applicants have enclosed a duplicate of this letter.

This application is being filed on February 8, 2001 by mailing the application to the Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 8 1 10. The Express

Title—Use of Acid Stabile Subitism Processes in Animal Feed Fided Tebruary 8, 2001. Express Mail Transmittal Letter for Patent Application and Certificate of Mailing Express Mail Label No. 11, 59,418,8841.8. Date of Deposit February 8, 2001.

Mail label number appears in the heading of this paper which is attached to the application papers pursuant to 37 C.F.R. § 1.10(b).

All correspondence concerning this application should be mailed to:

Patrea L. Pabst, Esq. ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3450

Respectfully submitted,

Patrea L. Pabst Reg. No. 31,284

Date: February 8, 2001

ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3450 (404) 873-8794 (404) 873-8795 Telefax Title—U.s. of Jead Stable Subtilism Processes in Janual F., d. Eded. February 8, 2001.

Express Mail Transmittal Letter for Patent Application and Certificate of Mailing.

Express Mail Label No. 11, 509-418-8844-8.

Date of Deposit. February 8, 2001.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this Express Mail Transmittal Letter for Patent Application and Certificate of Mailing and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 8, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, mailing label number EL 709 418 884 US, addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: February 8, 2001

Sunny G. Johns

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

Novo-Nordisk a/s Postbox 3000 2880 BAGSVAERD Denemarken

name and address of depositor

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

. IDENTIFICATION OF THE MICROORGANISM	
dentification reference given by the	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY:
EPOSITOR:	CBS 102448
N048145	
I. SCIENTIFIC DESCRIPTION AND/OR PROPOSED	TAXONOMIC DESIGNATION
The microorganism identified under I above	e was accompanied by:
a scientific description	
X a proposed taxonomic designation	
(mark with a cross where applicable)	
III. RECEIPT AND ACCEPTANCE	
his International Depositary accepts the mic eceived by it on 17-01-2000 (d	roorganism identified under I above, which late dd-mm-yy of the original deposit) 1
THE PECELET OF REQUEST FOR CONVERSION	
Authority on not applicable (date da	as received by this International Depositary I-mm-yy of the original deposit) and a deposit under the Budapest Treaty was received I-mm-yy of receipt of request for conversion)
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: Centraalbureau voor Schimmelcultures	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):
Address: Oosterstraat 1 P.O. Box 273	Mrs F.B. Snippe-Claus Dr.J.A Stalpers

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

Novo-Nordisk a/s Postbox 3000 2880 BAGSVAERD Denemarken

name and address of the party to whom the viability statement is issued

VIABILITY STATEMENT issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified on the following page

I. DEPOSITOR	II. IDENTIFICATION OF THE MICROORGANISM	
Name: Novo-Nordisk a/s	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY:	
0000	CBS 102448	
Address: Postbox 3000	Date (dd-mm-yy) of the deposit or of the	
2880 BAGSVAERD Denemarken	transfer: 1 17-01-2000	
III. VIABILITY STATEMENT		
The viability of the microorganism identifie on 21-01-2000 2. On that date (dd-mm-y	d under II above was tested y), the said microorganism was	
X viable		
no longer viable		

 $^{^{}m l}$ Indicate the date of the original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).

 $^{^2}$ In the cases referred to in Rule 10.2(a)(ii) and (iii), refer to the most recent viability test.

 $^{^{3}}$ Mark with a cross the applicable box.

IV. CONDITIONS UNDER WHICH THE VIABILITY HAS	BEEN PERFORMED
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: Centraalbureau voor Schimmelcultures Address: Oosterstraat 1 P.O. Box 273 3740 AG BAARN The Netherlands	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Mrs F.B. Snippe-Claus Date (dd-mm-yy): 01-02-2000

 $^{^{4}\,\}mathrm{Fill}$ in if the information has been requested and if the results of the test were negative.